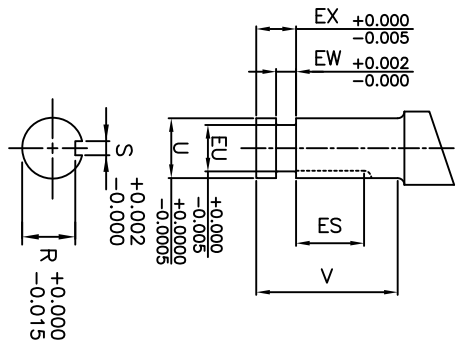
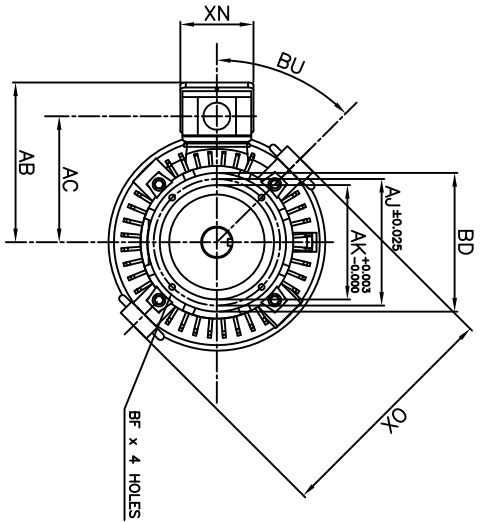


NOTE:
LIFTING RINGS
(2) 180° APART
FOR MOTOR
LIFTING ONLY



UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										P-FLANGE DIMENSIONS										SHAFT EXTENSION DIMENSIONS														
	AG	C	P	OX	BU	BB	BE	BF	BD	BV	AK	AU	AH	EU	U	V	R	S	ES	EW	EX	AB	AC	AJ	AK	BD	OX	BF x 4 HOLES	EX	EW	ES	FU	U	S	R
250HP10	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	10.0	15.7	8.25	9.125	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
250HP12	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
250LP10	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	10.0	15.7	8.25	9.125	2.75	1.250	1.625	2.75	1.416	0.375	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
250LP12	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	2.75	1.250	1.625	2.75	1.416	0.375	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HP10	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	10.0	15.7	8.25	9.125	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HP12	36.5	39.3	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280LP10	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.44	10.0	15.7	8.25	9.125	4.50	1.750	2.125	4.50	1.845	0.50	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280LP12	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	4.50	1.750	2.125	4.50	1.845	0.50	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HP10	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.44	10.0	15.7	8.25	9.125	4.50	1.250	1.625	4.50	1.416	0.375	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HP12	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	4.50	1.250	1.625	4.50	1.416	0.375	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280LP12	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.44	12.0	15.7	8.25	9.125	4.50	1.250	1.625	4.50	1.416	0.375	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HP16	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.69	16.5	15.7	13.50	14.75	4.50	1.750	2.125	4.50	1.845	0.50	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280LP16	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.69	16.5	15.7	13.50	14.75	4.50	1.750	2.125	4.50	1.845	0.50	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280HPA16	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.69	16.5	15.7	13.50	14.75	4.50	1.250	1.625	4.50	1.416	0.375	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500
280LPA16	36.5	41.0	15.7	17.1	45°	0.25	1.0	0.69	16.5	15.7	13.50	14.75	4.50	1.250	1.625	4.50	1.416	0.375	3.03	0.375	0.75	1.50	10.7	8.3	4.0	4.0	5.3	500	1.50	10.7	8.3	4.0	4.0	5.3	500

FRAME SIZE	LS	OS
250HP	6309C3	6310C3
250LP	6309C3	7309BEGAM x 2
280HP	6309C3	6310C3
280LP	6312C3	7309BEGAM x 2

FRAME SIZE	LS	OS
250HP	6309C3	6310C3
250LP	6309C3	7309BEGAM x 2
280HP	6309C3	6310C3
280LP	6312C3	7309BEGAM x 2

- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
3. KEY DIMENSIONS EQUAL S x S x ES (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. STANDARD PRODUCT USE BI-DIRECTIONAL FAN, OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

CUSTOMER: _____ MOTOR MODEL NO.: _____ TAG NO.'s.: _____
 P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ HZ: _____
 FRAME SIZE: _____ PRODUCT TYPE: _____ VERTICAL SOLID SHAFT ROUND BODY P-FLANGE _____
 COMMENTS: _____

 PER: _____ DATE: _____

- STANDARD (NO AUX. BOXES)
- RTD AUX. BOX
- SPACE HEATER AUX. BOX
- BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY
 DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED CERTIFIED

TOSHIBA TOTALLY-ENCLOSED FAN-COOLED
 VERTICAL SOLID SHAFT ROUND BODY P-FLANGE
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY

XT SERIES
 VISIT OUR WEBSITE AT:
www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0152FTVB3PX-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	2	3540	250LP10	460	60	3	16.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	15.00	11.2	16.5	92.6	91.8
¾ Load	11.25	8.4	12.6	92.0	90.3
½ Load	7.50	5.6	9.0	90.1	85.8
¼ Load	3.75	2.8	5.9	83.5	70.2
No Load			3.7		10.1
Locked Rotor			116		39.0

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
22.3	235	180	295	1.53

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6309C3	7309B	542

*Bearings are the only recommended spare part(s).

Motor Options:
Product Family:EQPIII Vertical Medium Thrust
Mounting:10 P-Base (180-280 Frame),Shaft:LP Solid Shaft Medium Thrust

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

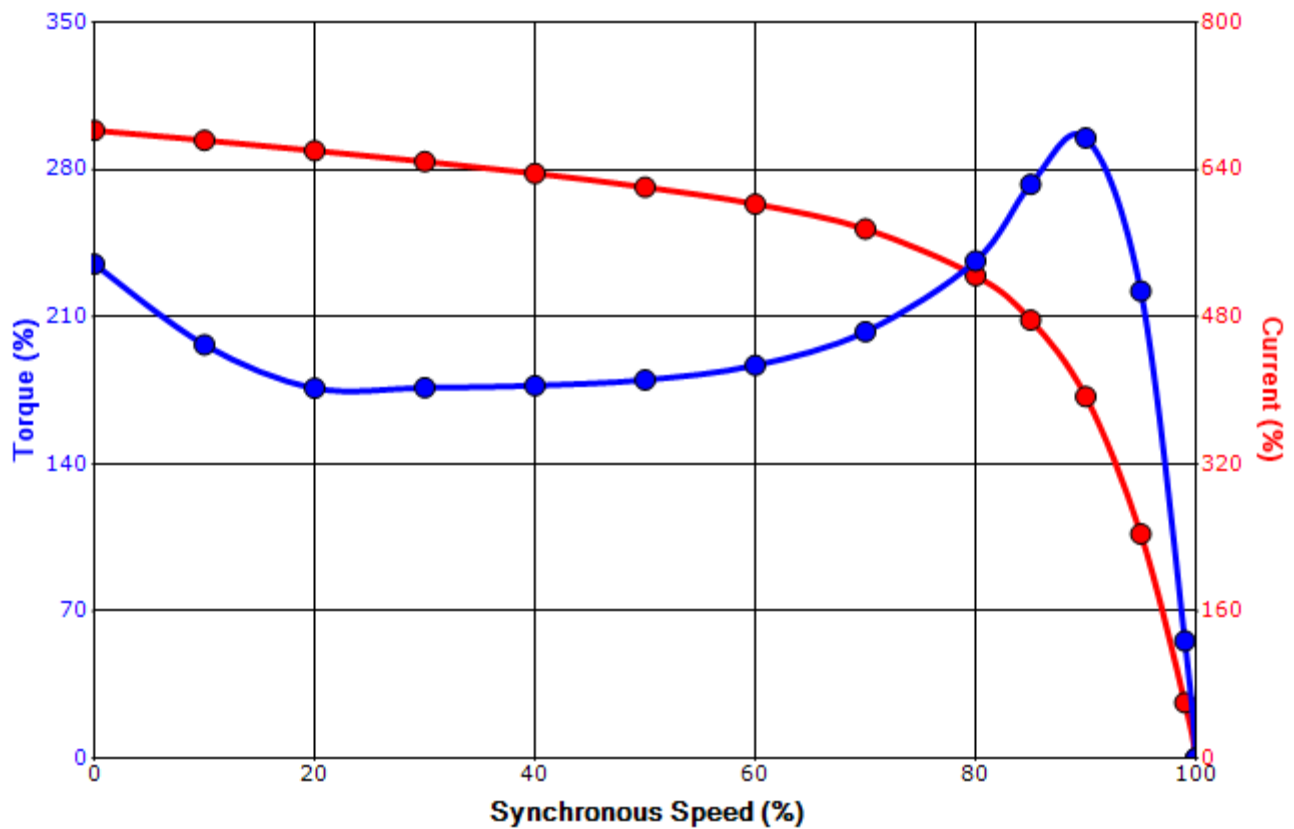
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	3/30/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0152FTVB3PX-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	2	3540	250LP10	460	60	3	16.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
116	1.53	22.3	235	180			295	

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	3/30/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram 3 Leads - Delta Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one
of them will be labeled with the appropriate lead number.